Maximizing Stakeholder Participation to Produce a Regional Sediment Management Plan

Carl Christianson, Project Manager

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Lower Snake River Programmatic Sediment Management Plan

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- PSMP Overview
- Coordination With Key Federal Agencies – Sediment Yield
- Local Sediment Management Group
- Key Takeaway Points
- Questions

Brief History

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- Dredged Material Management Plan and Environmental Impact Statement (DMMP/EIS)
- Lawsuit
- Settlement Agreement
- Lower Snake River Na Maintenance EIS
- PSMP/EIS

Area Of Primary Concern

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Snake/Clearwater Confluence

PSMP Purpose & Need

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- **Develop 20-year plan/EIS for Lower Snake River considering contributing tributary watersheds**
  - **Identification of feasible alternative sediment management strategies to dredging.**
  - **Reduce dredging requirements through sediment reduction, sediment management and system management measures**

- **Plan will address Corps responsibilities related to:**
  - **Maintaining navigation to Lewiston, Idaho**
  - **Maintaining flow conveyance (flood risk)**
  - **Maintaining ability to withdraw irrigation water at intakes and access to recreation facilities**
  - **Reduce direct and indirect impacts to ESA listed salmon**

Historical Management Approach

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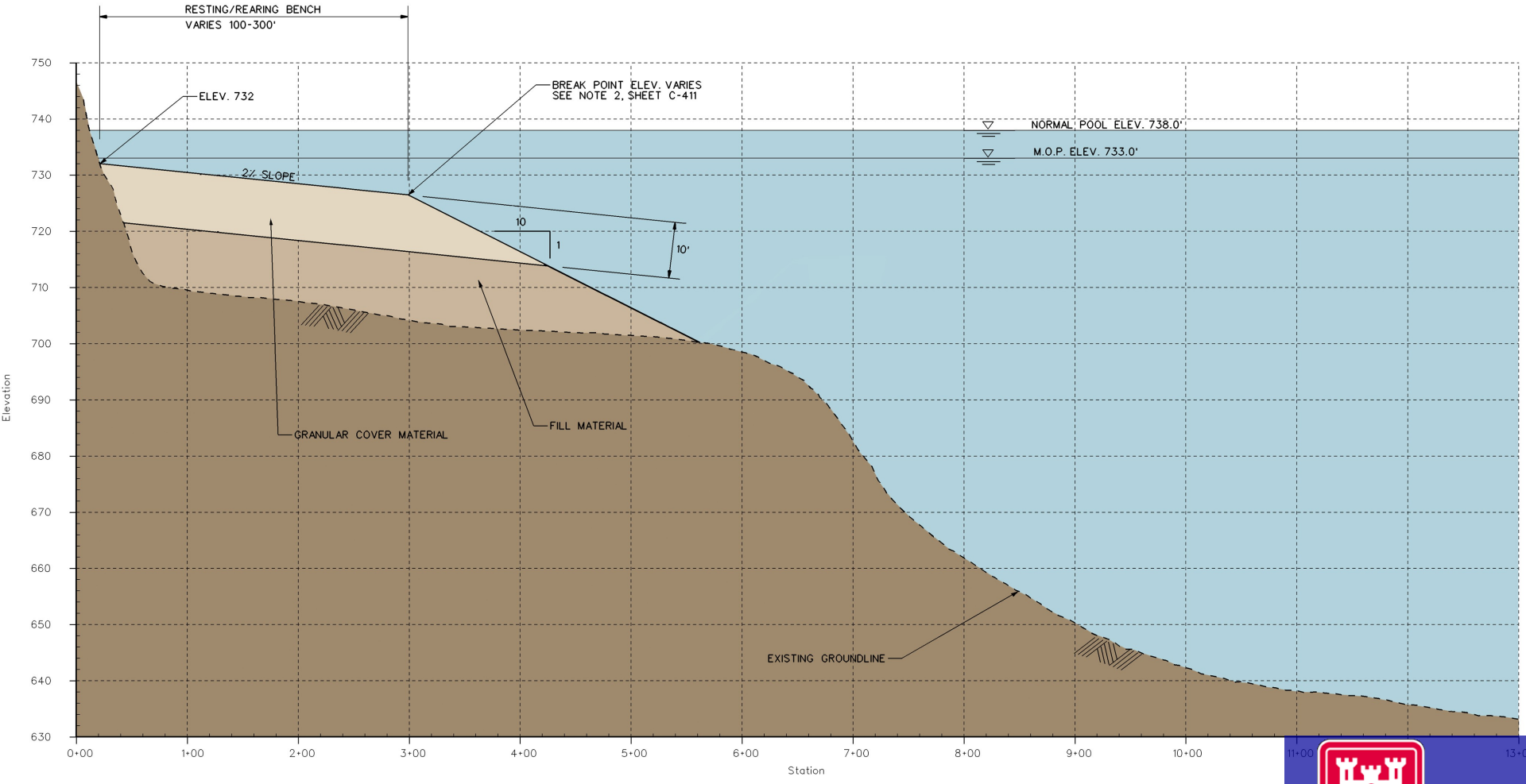
- Dredge Every 3 – 5 Years
- React Once Problem Areas Identified
- Focus on Minimizing Dredging Impacts
  - Dredging operations
  - Disposal alternatives
- Focus on Disposal - Upland and In-water For Beneficial Use

In-Water Disposal Beneficial Use



REF C-411 (B) DREDGED MATERIAL DISPOSAL SITE – SECTION

HORIZONTAL SCALE 0' 50' 100'

VERTICAL SCALE 0' 10' 20'

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PSMP Components

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TMDL's
WQ

Erosion
Hot Spots

Fish needs

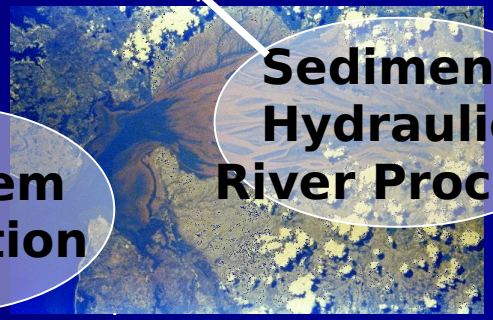
Alternatives
for Sediment
Management

PSMP

Agency
Programs/
Funding

Data
Acquisition

Ecosystem
Restoration



Sediment/
Hydraulic/
River Process

Key Elements of New Approach

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- Extensive In-Reservoir Data Collection
- Identify Sediment Sources Through Analyzing Sediment Yield From Watersheds
- Evaluate Environmental Effects Of Alternative In-Reservoir and Watershed Measures
- Analyze Flow Conveyance Concern
- Cooperate with Others to Implement Watershed Measures
- Use Adaptive Management Approach

Alpowa Creek Sedimentation 1993 Drawdown

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Potential Alternative Management Measures

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- Sediment Source Reduction
  -Filter strips, sediment traps, forest management practices
- In-river Sediment Management
  -Bendway weirs, dikes and dredging
- System management
  -Drawdown, relocate facilities, raise Lewiston levee

Study Area
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Washington
Idaho
Montana
Oregon
Lower Snake Basin
Mouth to
Lower Granite Reservoir
Clearwater Subbasin
(Exclusive of North Fork)
Grande Ronde
Subbasin
Snake Basin
Hell's Canyon
Reach
Salmon Subbasin
90
82
84
15
15 30 60 90 120
Miles

Overview Map of Study Area Land Ownership

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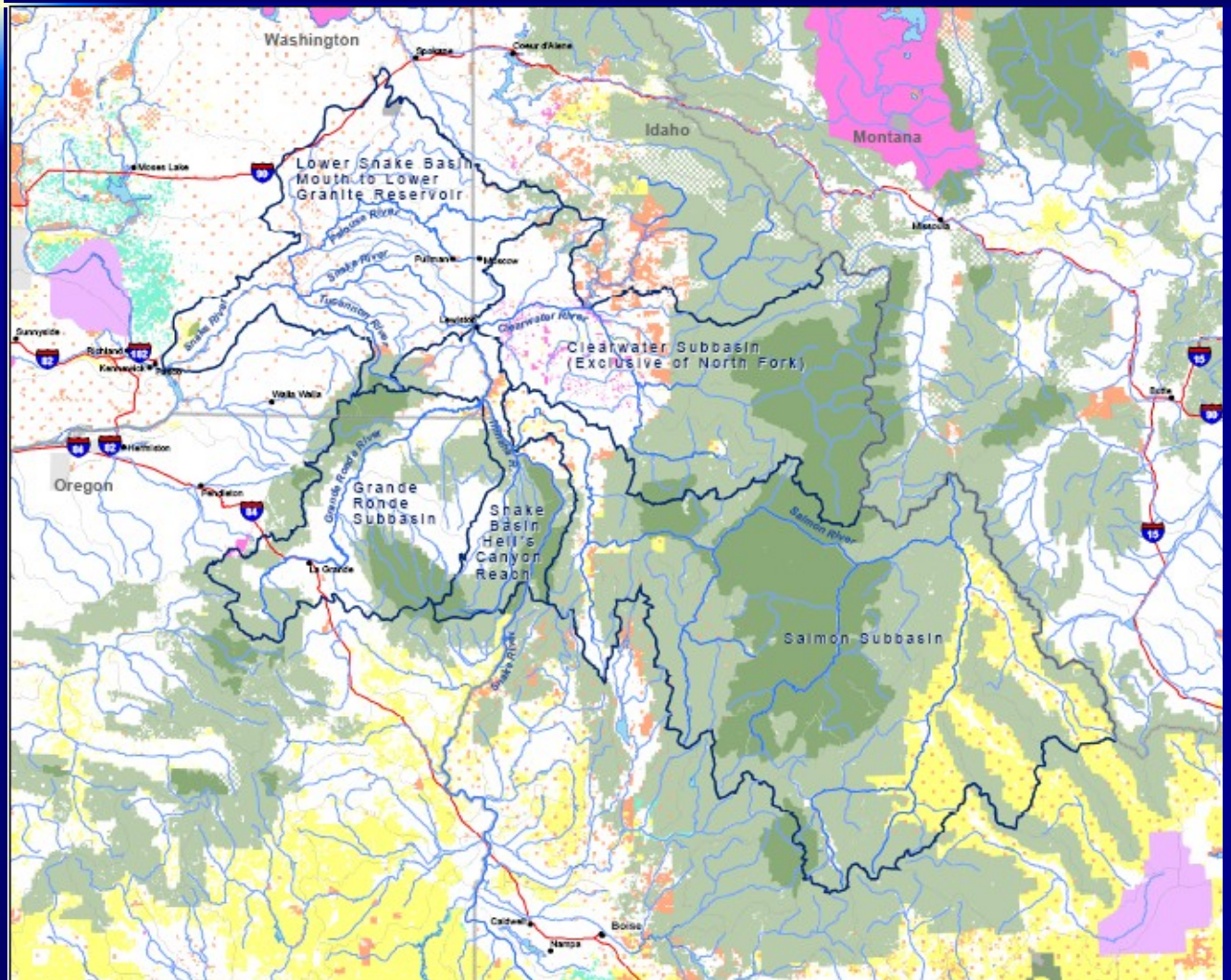

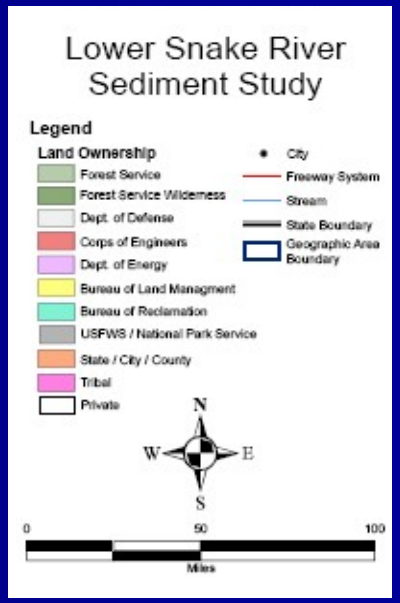

Sediment Source.

Landslide near Lewiston, Idaho
(Upstream of Southway Bridge)

Upstream Channel Erosion
Pataha Creek, Source: HDR

Logging, Road and Landslide in Clearwater National Forest
(Source: John Osborn - The Lands Council)

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Sediment Sources

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Forest Fire

Rills

Gulleys

(***Source: USDA***)

Initial Coordination With Stakeholders

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- Local Sediment Management Group Meeting
- Objective: Develop A Regional Sediment Management Plan Through Collaboration
- Recognized Need For Phased Approach - More Intensive Coordination Needed To Get LSMG Members On Board (LL)
- Phase 1 - Technical Workshops Held, Coordinated By Watershed Groups
- Public Scoping Meetings Held Throughout Region

Coordination With Key Federal Agencies – Phase 2

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- Watershed Sediment Sources And Yield Analyses From Forest and Ag Lands
- Forest Service, NRCS, EPA, and USGS
- Key Objective: Agencies With Land Management and Regulatory Authorities Furnish Data and Implement Measures
- Go To The Experts – Use/Develop The Best Science That Will Be Defendable In Court
- Developing Cooperating Agency Relationships
- Researching Existing Agreements (LL)

Key Agency Coordination Status – Forest Service

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- Met With Hydrologists From Two National Forests
- Nine National Forests in Three Regions Within Study Area
- Phase 3 - Engaging With Rocky Mountain Research Station – Modeling and Calibration Of Episodic Fire Events
- Earth Systems Institute - NetMap

Key Agency Coordination Status – Dept. Of Ag

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- Met With Idaho Asst. State Conservationist
- Staff/Resources Reduced
- Phase 3 – Texas A&M – Snow Melt In SWAT
- Phase 3 - Advised of State Technical Advisory Committees Chaired by SC
  - Getting on Three State Committee Agendas
  - Membership Mirrors LSMG – Corps Already Considered a Member
- Phase 3 - Ag Research Service Modeling Sediment Delivery

Local Sediment Management Group

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- Meeting Postponed Till September

  - Laying Groundwork With Key Agencies

  - May Status Update

  www.nww.usace.army.mil/psmp/

- Additional One-On-One Coordination Will Be Necessary With Other Stakeholders
- Local Planning Group As Recommended By National Dredging Team

LSMG Membership

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- Federal And State Regulatory, Natural Resource and Land Management Agencies And Tribes
- Navigation Industry Stakeholders
- Watershed Groups
- Soil And Water Conservation Districts
- Effected Municipalities
- NGO’s (Including Plaintiffs)
- State And Local Economic Development Agencies
- Business Interests

LSMG Roles And Responsibilities

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- Information/Data Sharing
- Review Technical Products
- Provide Input To Formulation And Evaluating Alternatives
- Identify Integration/Coordination Opportunities and Leveraging Of Funds/ Programs
- Help Collaboratively Formulate and Support A Regional Plan And Strategy
- Implement Watershed Recommendations
- Provide Input/Guidance On Monitoring

Key Takeaway Points

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- Collaborative Planning Takes Time
- Potential Partners/Stakeholders Can't Take On Unfunded Mandates
- Extensive, Repeated One-On-One Communication Has To Occur
- Have To Learn/Navigate Agency Infrastructure
- Have To Establish/Nurture Personal Relationships
- Have To Do All This And More To Develop A Successful Plan And Program

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Questions?